



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WESTERN REGIONAL OFFICE

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Mr. Stanley W. Kulig, P.E., Director  
Chicopee Department of Public Works  
115 Baskin Drive  
Chicopee, MA 01056

DEC 08 2003

Re: Chicopee - WWM  
WPCF Bypass Disinfection  
Paderewski Pump Station Modifications  
Project # 03-061-001

CWSRF-1787, Contract 002/04  
BRP WP 68  
Transmittal # W044784

Dear Mr. Kulig:

The Department of Environmental Protection - Western Regional Office has completed its review of the design plans and specifications for the two projects referenced above, prepared on the City of Chicopee's behalf by Tighe and Bond, consisting of 28 sheets and titled:

WPCF Bypass Disinfection &  
Paderewski Street Pump Station Modifications  
Chicopee, Massachusetts  
Contract 002/04 - CWSRF 1787  
October 2003

The proposed Chicopee Water Pollution Control Facility (WPCF) Bypass Disinfection project consists of construction of a new chlorine contact chamber, chlorination building addition, bypass piping, and chemical storage and feed systems at the (WPCF). The October 2003 design plans proposed the elimination of primary treatment for the bypass flow (i.e., wet weather flows greater than 25 MGD), to allow gravity flow of the bypass from the existing preliminary treatment unit operations to the proposed Chlorine Contact Tank (CCT).

The proposed Paderewski Street Pump Station Modifications project, shown on Sheets C-3, M-3, M-4, M-5, E-4, and common details on detail sheets C-4, C-5, I-1 and E-1 of the submitted plans, consists of installation of new submersible pumps and piping, a concrete vault, and weir gate at the Paderewski Street Pump Station.

This information is available in alternate format. Call April McCabe, ADA Coordinator at 1-617-556-1171. TDD Service - 1-800-298-2207.

DEP on the World Wide Web: <http://www.mass.gov/dep>

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Both the WPCF Bypass Disinfection and Paderewski Modifications Projects were supported by the Department (DEP) as Phase 1 Combined Sewer Overflow (CSO) projects as presented in the City's October 2002 Notice of Project Change to MEPA. The WPCF Bypass Disinfection project was projected to be capable of disinfecting approximately 43 million gallons per year of existing non-disinfected, screened, primary effluent discharged to the Connecticut River. The Paderewski Street Pump Station Modifications project was projected to reduce CSO discharge by approximately 5 million gallons per year from CSO regulator #09 to the Connecticut River.

The Department and the City met on November 5, 2003 to discuss these two projects, with the focus on whether existing primary treatment will be retained in the WPCF bypass disinfection project. Tighe and Bond's October 31, 2003 Technical Memorandum was reviewed, with the proposed Bypass option (no primary treatment) identified as "Option 3". An option with primary treatment was referred to as "Option 2, with pumping". Main points raised were:

- The expectation and benefits of primary treatment of Chicopee's wet weather flows ("highest level of control") as part of the City's CSO abatement/WPCF flow maximization,
- Additional costs for pumping equipment to convey primary effluent, during primary effluent flows of 25 MGD and greater, to the proposed CCT, and
- The means of paying the additional WPCF primary effluent pumping costs under the existing CWSRF local appropriation, including but not limited to developing a separate implementation schedule for the Paderewski Modification project.

During the November 5, 2003 meeting, the performance of the Chicopee primary clarifiers during wet weather flows above 25 MGD was discussed, and the City agreed to provide additional information on this issue. Such additional information was submitted in Tighe and Bond's November 17, 2003 Technical Memorandum to the Department and EPA.

The Department comments on the two projects are as follows:

1. **WPCF Bypass Disinfection Project:** After review of the October 2003 design plans the October 31, 2003 Technical Memorandum and the November 16, 2003 Technical Memorandum, **primary treatment of secondary bypass flows should be included in the design of the WPCF upgrades, and therefore, the design of the WPCF bypass plans and specifications should be modified to include provisions for primary treatment, with the incorporation of a pump station, as necessary.** Please contact Don Saint Marie, DEP-MS-Boston (telephone # 617-292-5709) to discuss the timelines for the re-design submittal to comply with MS - SRF timelines.
2. **Paderewski Pump Station Modifications Project:** In accordance with G.L. c.21 §§ 26-53 and 314 CMR 12.03(1), the Department hereby **approves the submitted design plans and specifications for the Paderewski Pump Station Modifications Project.** This approval is in addition to any approval to be issued by DEP Division of Municipal Assistance for CWSRF purposes. The Department acknowledges and accepts that the Paderewski Pump Station Modifications project, approved herein, may be temporarily postponed to provide a transfer of funds from that project to the primary effluent pumping component of the WPCF Bypass Disinfection project. As you are aware, the Department and EPA remain in negotiations with the City on an implementation schedule for the Phase I CSO abatement

work, and the agencies will be cognizant of the limitations of the current local appropriation and the availability of alternate funding sources for this project in establishing a compliance schedule for the Paderewski Project. Please contact Don St Marie, DEP-MS-Boston to discuss the details of this issue as it relates to Contract 002/04, and the potential for CWSRF funding should alternate grant funding be unavailable.

If there are any questions regarding these projects, please contact the undersigned or Kurt Boisjolie at (413)-755-2284.

Sincerely, 

Mark A. Schleeweis  
Program Chief  
Wastewater Management

cc: Tighe and Bond: Attn: David Partridge, 53 Southampton Road, Westfield MA 01085-5308  
Don St.Marie: DEP-MS-Boston, 1 Winter Street, 5<sup>th</sup> Floor, Boston, MA 02108  
Kevin Brander: DEP-NERO, 1 Winter Street, 5<sup>th</sup> Floor, Boston, MA 02108  
George Harding: USEPA Region 1, Congress Street, Boston, MA

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